= 3

© UTILITY PATENT APPLICATION TRANSMITTAL (Small Entity)

38916/14140

Docket No.

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Total Pages in this Submission 30, plus IDS

TO THE ASSISTANT COMMISSIONER FOR PATENTS

Box Patent Application Washington, D.C. 20231

	nsmitt ention			h for t	filing under 35	5 U.S	.C. 111(a) and	37 C.F.R. 1.53((b) is a new utility patent appli	cation for an
				FEGR	RATED LABE	L OI	R FOLD-OVER	CARD INTER	MEDIATE	7620r 600
and	inver	nted	by:						1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
C	ASA	GRA	NDE,	Charl	es L.					
lf _a a	CON	ITINI	JATIC	N AP	PLICATION,	chec	ck appropriate b	ox and supply	the requisite information:	
∆ Wh	Cor ich is		ation		Divisional		Continuation	-in-part (CIP)	of prior application No.:	
	Cor	ntinu	ation		Divisional		Continuation	-in-part (CIP)	of prior application No.:	
Wh	ich is	a:								
	Cor	ntinu	ation		Divisional		Continuation	-in-part (CIP)	of prior application No.:	
⁼Enc	closed	d are	•							
#17 9 1			•				Applicatio	n Elements		
	1. 🗷) F	iling fe	e as	calculated an	d trar	nsmitted as des	cribed below		
Marine Party P	2. 🗵	S	pecific	ation	having		×24	_ pages and ir	ncluding the following:	
	6	a. 🗵) De	script	ive Title of the	e Inve	ention			
•	ł). <u> </u>) Cr	oss R	eferences to	Relat	ed Applications	(if applicable)		
2	(). <u> </u>) Sta	ateme	nt Regarding	Fede	erally-sponsored	d Research/Dev	velopment (if applicable)	
	C	d. 🗀	l Re	feren	ce to Microfic	he Aı	opendix (if appli	cable)		
	€	e. 🗵			und of the Inv			ŕ		
		f. 🛚		_	mmary of the					
	ç	j. 🗵					awings <i>(if drawii</i>	ngs filed)	021	888
	ŀ	n. 🗵	l De	tailed	Description					ADEHARK OFFICE
		i. 🗵	l Cla	aim(s)	as Classified	Belo)W		111121111111111111111111111111111111111	
		j. 🗵	l Ab	stract	of the Disclo	sure				

UTILITY PATENT APPLICATION TRANSMITTAL (Small Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No. 38916/14140

Total Pages in this Submission 30

Application Elements (Continued) Drawing(s) (when necessary as prescribed by 35 USC 113) a. Formal b. 🗵 Informal Number of Sheets X Oath or Declaration a. 🔀 Newly executed (original or copy) Unexecuted b. 🔲 Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional application only) With Power of Attorney C. 🛛 ■ Without Power of Attorney d. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. 1.63(d)(2) and 1.33(b). ☐ Incorporation By Reference (usable if Box 4b is checked) The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein. □ Computer Program in Microfiche ☐ Genetic Sequence Submission (if applicable, all must be included) a. 🔲 Paper Copy b. Computer Readable Copy C. 🔲 Statement Verifying Identical Paper and Computer Readable Copy **Accompanying Application Parts** ☐ Assignment Papers (cover sheet & documents) ☐ 37 CFR 3.73(b) Statement (when there is an assignee) ☐ English Translation Document (*if applicable*) ☑ Information Disclosure Statement/PTO-1449 12. Preliminary Amendment 13. Acknowledgment postcard

Express Mail (Specify Label No.): EM349247674US

Certificate of Mailing

First Class

 \mathbf{X}

UTILITY PATENT APPLICATION TRANSMITTAL (Small Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No. 38916/14140

Total Pages in this Submission 30

Indep. Claims 4		Accompanying Application Parts (Continued)					
Fee Calculation and Transmittal CLAIMS AS FILED For #Filed #Allowed #Extra Rate Fee otal Claims 24 -20 = 4 × \$9.00 \$ Indep. Claims 4 - 3 = 1 × \$39.00 \$ Tultiple Dependent Claims (check if applicable) BASIC FEE \$3 OTHER FEE (specify purpose) TOTAL FILING FEE \$5 A check in the amount of \$585.00 to cover the filing fee is enclosed. The Commissioner is hereby authorized to charge and credit Deposit Account No. 20 - 082 3 as described below. A duplicate copy of this sheet is enclosed. Charge the amount of as filing fee. Credit any overpayment. Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17. Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).		Certified Copy of Priority Document(s) (if foreign priority is claimed)	15. 🔲 C				
Fee Calculation and Transmittal CLAIMS AS FILED For #Filed #Allowed #Extra Rate Fee otal Claims 24 -20 = 4 x \$9.00 \$ Indep. Claims 4 -3 = 1 x \$39.00 \$ Indultiple Dependent Claims (check if applicable) BASIC FEE \$3 OTHER FEE (specify purpose) TOTAL FILING FEE \$5 A check in the amount of \$585.00 to cover the filing fee is enclosed. TOTAL FILING FEE \$5 A check in the amount of sas filing fee. Charge the amount of as filing fee. Credit any overpayment. Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17. Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b). Dated: May 35. App.	16. Small Entity Statement(s) - Specify Number of Statements Submitted:						
Total Filed #Allowed #Extra Rate Fee otal Claims 24 -20 = 4 x \$9.00 \$ Indep. Claims 4 -3 = 1 x \$39.00 \$ Indep. Claims (check if applicable) BASIC FEE \$3 OTHER FEE (specify purpose) TOTAL FILING FEE \$5 A check in the amount of \$585.00 to cover the filling fee is enclosed. The Commissioner is hereby authorized to charge and credit Deposit Account No. 20 - 08 3 as described below. A duplicate copy of this sheet is enclosed. Charge the amount of as filling fee. Credit any overpayment. Charge any additional filling fees required under 37 C.F.R. 1.16 and 1.17. Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).		17. Additional Enclosures (please identify below):					
Total Filed #Allowed #Extra Rate Fee Sotal Claims 24 -20 = 4 × \$9.00 \$ Indep. Claims 4 -3 = 1 × \$39.00 \$ Indep. Claims (check if applicable) ☑ \$1 BASIC FEE \$3 OTHER FEE (specify purpose) TOTAL FILING FEE \$5 ☑ A check in the amount of \$585.00 to cover the filling fee is enclosed. ☑ The Commissioner is hereby authorized to charge and credit Deposit Account No. 20 - 08 ☑ 3 as described below. A duplicate copy of this sheet is enclosed. ☐ Charge the amount of as filling fee. ☑ Credit any overpayment. ☑ Charge any additional filling fees required under 37 C.F.R. 1.16 and 1.17. ☐ Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).							
Total Filed #Allowed #Extra Rate Fee otal Claims 24 -20 = 4 x \$9.00 \$ Indep. Claims 4 -3 = 1 x \$39.00 \$ Indep. Claims (check if applicable) BASIC FEE \$3 OTHER FEE (specify purpose) TOTAL FILING FEE \$5 A check in the amount of \$585.00 to cover the filling fee is enclosed. The Commissioner is hereby authorized to charge and credit Deposit Account No. 20 - 08 3 as described below. A duplicate copy of this sheet is enclosed. Charge the amount of as filling fee. Credit any overpayment. Charge any additional filling fees required under 37 C.F.R. 1.16 and 1.17. Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).							
For #Filed #Allowed #Extra Rate Fee otal Claims 24 -20 = 4 x \$9.00 \$ Indep. Claims 4 -3 = 1 x \$39.00 \$ Indep. Claims (check if applicable) BASIC FEE \$3 OTHER FEE (specify purpose) TOTAL FILING FEE \$5 A check in the amount of \$585.00 to cover the filling fee is enclosed. The Commissioner is hereby authorized to charge and credit Deposit Account No. 20 - 082 3 as described below. A duplicate copy of this sheet is enclosed. Charge the amount of as filling fee. Credit any overpayment. Charge any additional filling fees required under 37 C.F.R. 1.16 and 1.17. Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).		Fee Calculation and Transmittal					
Total Claims 24 -20 = 4 x \$9.00 \$ Indep. Claims 4 -3 = 1 x \$39.00 \$ Indep. Claims (check if applicable) BASIC FEE \$3 OTHER FEE (specify purpose) TOTAL FILING FEE \$5 A check in the amount of \$585.00 to cover the filing fee is enclosed. The Commissioner is hereby authorized to charge and credit Deposit Account No. 20 - 083 3 as described below. A duplicate copy of this sheet is enclosed. Charge the amount of as filing fee. Credit any overpayment. Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17. Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).		CLAIMS AS FILED					
## Stationary Claims 24		#Filed #Allowed #Extra Rate Fee	For				
### BASIC FEE \$3 OTHER FEE (specify purpose) TOTAL FILING FEE \$5 A check in the amount of \$585.00 to cover the filing fee is enclosed. The Commissioner is hereby authorized to charge and credit Deposit Account No. 20 - 082 3 as described below. A duplicate copy of this sheet is enclosed. Charge the amount of as filing fee. Credit any overpayment. Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17. Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).	36.00	ns 24 -20 = 4 x \$9.00 \$36.00	otal Claims				
BASIC FEE \$3 OTHER FEE (specify purpose) TOTAL FILING FEE \$5 A check in the amount of \$585.00 to cover the filing fee is enclosed. The Commissioner is hereby authorized to charge and credit Deposit Account No. 20-082 3 as described below. A duplicate copy of this sheet is enclosed. Charge the amount of as filing fee. Credit any overpayment. Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17. Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).	39.00	ms 4 - 3 = 1 x \$39.00 \$39.00	ndep. Claim				
TOTAL FILING FEE \$5 A check in the amount of \$585.00 to cover the filing fee is enclosed. The Commissioner is hereby authorized to charge and credit Deposit Account No. 20 - 082 3 as described below. A duplicate copy of this sheet is enclosed. Charge the amount of as filing fee. Credit any overpayment. Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17. Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).	30.00	ependent Claims (check if applicable)	lultiple Dep				
TOTAL FILING FEE \$5 A check in the amount of \$585.00 to cover the filing fee is enclosed. The Commissioner is hereby authorized to charge and credit Deposit Account No. 20-082 3 as described below. A duplicate copy of this sheet is enclosed. Charge the amount of as filing fee. Credit any overpayment. Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17. Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).	80.00	BASIC FEE \$380.00					
A check in the amount of \$585.00 to cover the filing fee is enclosed. The Commissioner is hereby authorized to charge and credit Deposit Account No. 20-082 3 as described below. A duplicate copy of this sheet is enclosed. Charge the amount of as filing fee. Credit any overpayment. Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17. Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).	\$0.00	EE (specify purpose) \$0.00	OTHER FE				
 The Commissioner is hereby authorized to charge and credit Deposit Account No. 20-082 3 as described below. A duplicate copy of this sheet is enclosed. □ Charge the amount of as filing fee. ☑ Credit any overpayment. ☑ Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17. □ Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b). Dated: Ma 35 Mg 	85.00	TOTAL FILING FEE \$585.00					
CC: Charles L. Casagrande	0,718	ommissioner is hereby authorized to charge and credit Deposit Account No. 20-083 3 scribed below. A duplicate copy of this sheet is enclosed. Charge the amount of as filing fee. Credit any overpayment. Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17. Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b). A 3 A 3 A 3 A 3 A 3 A 3 A 3 A 3 A 3 A	The Conas description as description				

į		•	-	CLAIMING SMALL DEPENDENT INVEN		Docket No. 38916/14140
Serial	No.	_	Date 5, 1999	Patent No.		Issue Date
Applicant/ CA Patentee:	SAGRANDE	, Charles L.				
Invention: F0	ORM WITH I	NTEGRATED	LABEL OR FO	OLD-OVER CARD INTE	RMEDIATE	
purposes of p	aying reduce	ed fees under	section 41(a)	y as an independent inve and (b) of Title 35, Unit ove and described in:	entor as define ed States Cod	d in 37 CFR 1.9(c) for le, to the Patent and
⊠ the	specification t	to be filed here	with.			
☐ the	application ide	entified above.				
∃ □ the	patent identifi	ed above.				
convey or lice under 37 CFF business cond Each person,	ense, any right R 1.9(c) if that tern under 37 concern or 6	ats in the invent person had in CFR 1.9(d) or organization to	tion to any pe made the inve a nonprofit org	am under no obligation un rson who could not be cl ntion, or to any concern ranization under 37 CFR assigned, granted, con or license any rights in th	lassified as an which would in 1.9(e). veyed, or licer	independent inventor not qualify as a small nsed or am under an
5 1	•	concern or orga				
Eacl	n such persor	n, concern or or	ganization is ii	sted below.		
				d from each named persous as small entities (37 C		organization having
FULL NAME		-ur-				A
ADDRESS		Individual	☐ Sm	nall Business Concern	□ N	onprofit Organization
FULL NAME	-17					
ADDRESS		Individual	☐ Sm	nall Business Concern		onprofit Organization
FULL NAME						
ADDRESS		Individual	☐ Sm	nall Business Concern	<u> </u>	onprofit Organization
FULL NAME						<u> </u>
ADDRESS		Individual	☐ Sm	nall Business Concern		lonprofit Organization

NAME OF INVENTOR

SIGNATURE OF INVENTOR

i acknowledge the duty to file, in this application or patent, notification of any entitlement to small entity status prior to paying, or at the time of paying, maintenance fee due after the date on which status as a small entity is no longer	the earliest appropriate	; of the issue fee or an e. (37 CFR 1.28(b))	1
I hereby declare that all statements made herein of my own knowledge are to information and belief are believed to be true; and further that these statements willful false statements and the like so made are punishable by fine or imprison. Title 18 of the United States Code, and that such willful false statements may jet any patent issuing thereon, or any patent to which this verified statement is directly the statement of the control of the statement of the control	s were mad iment, or bo opardize the	le with the knowledge the oth, under Section 1001 o	ŧ
NAME OF INVENTOR Charles L. Casagrande			
SIGNATURE OF INVENTOR Chalif Cargale	DATE:	May 25, 1999	-
NAME OF INVENTOR		,	
SIGNATURE OF INVENTOR	DATE:		_
NAME OF INVENTOR			
SIGNATURE OF INVENTOR	DATE:		-
NAME OF INVENTOR		-	
SIGNATURE OF INVENTOR	DATE:		-
NAME OF INVENTOR			
SIGNATURE OF INVENTOR	DATE:		-
NAME OF INVENTOR			
SIGNATURE OF INVENTOR	DATE:		
	371121	198 ST-197-197-197-197-197-197-197-197-197-197	-
NAME OF INVENTOR			
SIGNATURE OF INVENTOR	DATE:		_
NAME OF INVENTOR			
SIGNATURE OF INVENTOR	DATE:		w
NAME OF INVENTOR			
SIGNATURE OF INVENTOR	DATE:		
			•

Patent and Trademark Office-U.S. DEPARTMENT OF COMMERCE

DATE:

SPECIFICATION

TITLE

5

Form With Integrated Label Or Fold-Over Card Intermediate
CROSS-REFERENCES TO RELATED APPLICATIONS

Not Applicable.

STATEMENT REGARDING FEDERALLY SPONSORED RESEARCH OR DEVELOPMENT Not Applicable.

REFERENCE TO MICROFICHE APPENDIX

Not Applicable.

BACKGROUND OF THE INVENTION

FIELD OF THE INVENTION

This invention relates to business forms having integrated, removable labels and/or fold-over card intermediates.

INTRODUCTION

The use of business forms with integrated information-carrying cards and labels has risen greatly in recent years as businesses and consumers realize the inherent convenience and capability of these products. However, in the past, this growth has not been entirely consistent with the trend in business to become more ecologically minded. Many businesses now have turned their attention to making sure that their consumer mailings and other advertisements are recyclable once they have served their purpose. Unfortunately, many of the prior art integrated form products do not allow for standard recycling of the waste produced by such forms.

As used herein, and as commonly understood in the industry, an integrated label is one in which part of the form itself becomes part of the label. Similarly, a form with an integrated card is one in which part of the form itself becomes part of the

1163148 -1 of 24-

20

25

25

5

card. Such products have proven very beneficial in recent years in part because they allow for relatively convenient end user printing through laser printers, copiers, impact printers and the like.

However, the existing products exhibit numerous limitations overcome by the present invention. For example, the transfer tape, die cut type of integrated label disclosed in U.S. Patent No. 4,379,573 to Lomeli involves the application of transfer tape to the backside of a form and die cutting the integrated label from the front surface of the form. These types of labels have the advantages of being a relatively thin lamination and allowing rapid mass production of the forms. Yet in use, it can be seen that the top surface of the label is opaque and has adhesive over its entire back surface. And the remainder of the form cannot be recycled because it contains non-recyclable release materials. Many variations have been made on these types of transfer labels, including the types using a multi-layer label stock as opposed to the basic transfer tape, as exemplified by U.S. Patent No. 5,637,369 to Stewart.

Nevertheless, this type of integrated label requires the addition of some type of label stock to the back of the form, a die cut through the front of the form to create the label, and some type of release material in the label stock which is left behind on the form when the label is removed.

Another type of label well known in the industry involves the use of a printable patch releasably adhered to the surface of a form and then peeled off in use to be attached to a substrate. These types of labels are not actually integrated labels because no portion of the form becomes part of the label. Thus, the patch material used for these products is a relatively thick (when compared to a transfer tape or similar liner), opaque, and printable stock usually of 50 to 70 pound weight. The labels have the advantage of being relatively thin – although thicker the transfer type

1163148 -2 of 24-

25

5

labels described above – but have the significant disadvantages of not having the support of a portion of the more substantial form layer integrated into the label. Also, since the label is really just an opaque piece of paper stock with adhesive on the underside, it does not allow the user to see through any portion of the label to the surface of the underlying form.

Integrated fold-over cards are similar to integrated labels in that they are basically an integrated label with a lamination or patch layer that can be folded in half onto itself to enclose or laminate a card created from a portion of the form layer. The relevant prior art integrated card articles, however, exhibit many of the same problems as the integrated label articles. Namely, they require the use of a release liner which remains on the form layer after removal of the card which prevents recycling of the form. For example, the integrated encapsulated card articles disclosed in U.S. Patent Nos. 5,662,976 to Popat and 5,318,326 to Garrison use a lamination layer and a lamination patch, respectively. Both teach and require the use of a release agent which remains on the form after removal of the card, thus preventing the recycling of the form. In addition, the articles taught by both patents necessitate the die cutting of the lamination or patch layer - usually a thin polyester or plastic material - which leaves behind some of this material upon removal of the card from the form, again hampering the recycleability of the form. Finally, the requirement for die cutting through the lamination layer of the prior art fold-over cards significantly increases the cost and complexity to manufacture these articles since extremely accurate dies with limited life spans must be used.

OBJECTS OF THE INVENTION

The primary object of the present invention is to provide for a thin recyclable business form with an integrated label and/or card intermediate which is relatively

1163148 -3 of 24-

25

5

quick and inexpensive to mass produce and convenient to employ by the end user.

This is accomplished by the fact that once the label and card intermediate are removed from the business form, the form is devoid of silicone or other release materials and is therefore completely recyclable. Moreover, when glassine -- a crushed, transparent paper product -- is used for the patch layer of the invention, the label and the card intermediate themselves are also recyclable.

Other objects of the invention include providing a thin form which is easy to manufacture and store while allowing for visible pre-printing of the form, label and card as well as end user laser printing, photocopying or even handwriting thereon. Specifically, the present invention requires that only one laminae be adhered to the form and it does not require the use of release material of any kind whether in liner, layer or coating form. Moreover, the invention does not require die-cutting of the thin plastic lamination layer to construct the articles, rather it requires only die cutting into the form layer. This alone translates directly into higher production speeds for the finished article and approximately five times greater die life on dies that are much less expensive than those required to cut the thin patch material. Also, since the card and label are removable from the front of the form, their use by the consumer is simpler and more intuitive than some of the prior articles which remove from the back of the forms.

Other objects of the invention will be evident from the following specification.

BRIEF SUMMARY OF THE INVENTION

The present invention is a business form with an integrated label and/or foldover card intermediate. The basic form comprises a form layer having top and bottom surfaces and a periphery, at least one die cut through the top and bottom surfaces within the periphery of the form layer which defines at least one portion of the form

1163148 -4 of 24-

25

5

layer within the die cut, and a patch layer. The patch layer has a periphery and top and bottom surfaces with the bottom surface of the patch layer adhesively but removably secured to the top surface of the form layer over the entire die cut and the entire form layer portion by a layer of repositionable, peelable adhesive. The adhesive layer has a greater affinity for the bottom surface of the patch layer than the top surface of the form layer.

In the first embodiment, the patch layer, adhesive layer and form layer portion comprise a label. As a result of the affinity of the adhesive, when the label is removed from the form, the portion of the adhesive layer that is not between the patch layer and the portion of the form layer is exposed and stays adhered to the bottom surface of the patch layer. Of course, the portion of the adhesive layer which is between the patch layer and the portion of the form layer stays adhered to both the bottom surface of the patch layer and the top surface of the form layer portion upon removal of the label.

Alternatively, in the second embodiment, the patch layer, adhesive layer and form layer portion comprise an integrated fold-over card intermediate. More specifically, the form with integrated fold-over card intermediate comprises a form layer having top and bottom surfaces and a periphery, at least one die cut through the top and bottom surfaces of the form layer within the periphery of the form layer defining at least one portion of the form layer within the die cut, and a patch layer having two halves, a periphery and top and bottom surfaces. The two halves of the patch layer may be divided by a line of perforations to ease the folding of the patch layer to form the completed card.

The bottom surface of the first half of patch layer is secured to the top surface of the form layer over the entire die cut and the entire form layer portion by a

1163148 -5 of 24-

25

5

repositionable, peelable adhesive layer. The second half of the patch layer is a mirror image of the first half of the patch layer. The bottom surface of the second half of the patch layer is secured to the top surface of the form layer by the adhesive layer over neither the die cut nor the form layer portion.

As in the label embodiment, the adhesive layer has a greater affinity for the bottom surface of the patch layer than the top surface of the form layer such that when the fold-over card intermediate is removed from the form layer, the portion of the adhesive layer that is not between the patch layer and the form layer portion is exposed and stays adhered to the bottom surface of the patch layer. Once removed from the form layer, the fold-over card intermediate can be folded in half, thus securing the two halves of the patch layer together by the adhesive layer and enclosing the form layer portion between the folded halves of the patch layer.

BRIEF SUMMARY OF THE SEVERAL VIEWS OF THE DRAWINGS

- FIG. 1 is a perspective view of the form with integrated label;
- FIG. 2 is a cross-section view of the embodiment as shown in Fig. 1;
- FIG. 3 is a cross-sectional view of the form with integrated label showing the removal of the label from the form;
- FIG. 4 is a front view of an alternate embodiment of the invention shown in Fig. 1;
- FIG. 5 is a perspective view of the form with integrated fold-over card intermediate;
 - FIG. 6 is a cross-sectional view of the embodiment shown in Fig. 5;
 - FIG. 7 is a cross-section view of the form with integrated fold-over card intermediate showing the removal of the intermediate from the form;
- FIG. 8 is a cross-section of an embodiment of the folded-over card;

1163148 -6 of 24-

25

5

and

FIG. 9 is a perspective view of another embodiment of the form with fold-over card intermediate;

FIG. 10 is a cross-sectional view of the embodiment shown in Fig. 9;

FIG. 11 is a cross-sectional view of an alternate embodiment folded-over card;

FIG. 12 is a bottom side view of the card intermediate showing the removable sections for viewing articles placed in the card intermediate.

DETAILED DESCRIPTION OF THE INVENTION

References to layers in this specifications include sheets, webs, strips, and all other appropriate forms of laminae common in the industry. Similarly, as used herein, printing and printed indicia are meant to include all known methods of application of printed indicia to a substrate including photocopying, laser printing, impact, pre-printing, and handwriting.

Turning now to the figures, in Figure 1, there is shown a perspective view of the form with integrated label shown generally as 1. The form 1 comprises a form layer 2, an adhesive layer 7 and a patch layer 8.

The form layer 2 may consist of any applicable business form, preferably one that has been preprinted on its top and/or bottom surfaces, 3 and 4 respectively. Although the form layer 2 can be any stock of suitable weight and thickness, in the preferred embodiment, the form layer 2 is paper stock of 20 lbs. to 100 lbs. weight and two thousandths of an inch to eight mils thickness. By using such weights and thickness', the form layer 2 is recyclable yet the form 1 is sized sufficiently for use in commercially available laser printers.

As shown best in Figure 2, the form layer 2 contains therein at least one die cut 5 through the form layer 2 defining at least one portion 6 of the form layer 2

1163148 -7 of 24-

25

5

within the die cut 5. A layer of adhesive 7 and a patch layer 8 are layered over the die cut 5 and form layer portion 6.

The adhesive layer 7 is a repositionable and peelable adhesive with a greater affinity for the bottom surface 9 of the patch layer 8 then for the top surface 3 of the form layer 2. As a result and as shown generally in Figure 3, when the patch layer 8 is peeled from the top surface 3 of the form layer 2, the adhesive layer 7 adheres to the bottom surface 9 of the patch layer 8 rather than the top surface 3 of the form layer 2.

Of course, since the form layer portion **6** is physically separated from the rest of the form layer **2** by the die cut **5**, when the patch layer **8** is peeled from the form layer **2**, the form layer portion **6** remains adhered to the patch layer **8**. Thus, the patch layer **8** with the adhesive layer **7** and the form layer portion **6** comprise the integrated label **10**. Once the label **10** is removed from the form layer **2**, the label **10** can be adhered to the surface of another substrate by the exposed areas of the adhesive layer **7**.

The patch layer **8** is usually a thin and substantially transparent or at least translucent material. In the preferred embodiment, the patch layer **8** is composed of a clear crushed paper glassine material, however, other clear films including polyester or other papers, could be used as well. The translucent characteristic of the patch layer **8** is important since if printed information is placed on the top surface **3** of the form layer **2**, and more specifically, if the indicia are placed on the top surface **3** of the form layer portion **6**, the end user will be able to see the printed indicia through the translucent patch layer **8**. In addition, the top surface **13** of the patch layer **8** may be made compatible with available printing methods so that additional printing could be placed thereon, for example, by running the completed form **1** through a laser printer

-8 of 24-

25

5

or by the end user handwriting information thereon before or after removal of the label 10 from the form 1.

For clarity, only one die cut **5** and one form layer portion **6** have been shown under the patch layer **8** in the drawings. It should be understood, however, that a single label **10** may be comprised of more than one form layer portion **6**. For example, a manufacturer may want to use the form **1** as an invitation complete with an integrated identification tag for an event it is sponsoring. The manufacturer could pre-print the top surface **3** of the form layer **2** with various information regarding the event, including its logo, general instructions regarding filling out the identification tag, and the logo for the event itself. The patch **8** would then be laminated onto the top surface **3** of the form layer **2** over some of that information. To avoid having the general instructions become part of the label **10** (the identification tag), at least two die cuts **5** would be made from the bottom surface **4** of the form layer **2** around the manufacturer's and the event's logos. Thus, the pre-printed logos would become part of the label **10** when it is removed from the form **1** while the general instructions would remain on the form layer **2**.

Another variation to the basic embodiment is shown in Figures 1, 2 and 3, as a bullet label 12 within the label 10. The bullet label 12 comprises a portion of the patch layer 2 defined by a die cut 11 extending through the patch layer 8 and adhesive layer 7. Thus, the bullet label 12, can be removed from the label 10 as shown in Figure 3 and attached to another substrate.

Figure 4 shows a top view of another variation of the present invention. In this embodiment the patch layer 8 is composed of an opaque material. Also, the patch layer 8 and the die cut 5 are sized and oriented with respect to each other such that the distance between an edge 14 of the patch layer 8 and a corresponding edge 15 of

1163148 -9 of 24-

25

5

the form layer portion **6** is greater than that distance between the other corresponding edges. In this way, when the label is removed from the form **1**, adhesive layer **7** exposed on the bottom side **9** of the patch layer **8** is wider along one edge **14** of the patch layer **8** than along the other edges. Thus, the label **10** could serve as a note or reminder label which could be adhered to a substrate principally by the wider edge of exposed adhesive layer **7**.

This embodiment directly addresses a problem with mass production of existing products. Prior notes of somewhat similar design have been difficult to use in large volume applications. This is due to the small area of adhesive and the fact that the note is usually precut and applied to the form during processing. This is a difficult process in mass production and one which results in a form that may not withstand the rigors of the manufacturing and printing environments before the note prematurely releases from the form. The present invention prevents premature removal of the note because there is sufficient adhesive around even the three narrow edges of the patch layer 8 to hold the patch 8 to the form layer 2 during manufacturing and printing processes. Thus, the label 10 releases from the form layer 2 only when pulled off by the end user. This arrangement holds the label 10 in the form 1 for processing while allowing easy attachment to and repositioning of the label 10 on a substrate by the wide edge of exposed adhesive 7 when the label 10 is removed.

In a somewhat similar variation, the patch layer 8 can be sized and offset in relation to the die-cut 5 in the form layer 2 such that the distance between an edge of the patch layer 2 and a corresponding edge of the form layer portion 6 is less than that between the other corresponding edges. In this way, the width of the adhesive along one edge of the label 10 is minimized. This minimizes the bond between the

1163148 -10 of 24-

5

label 10 and the form layer 2 along this edge and provides for easier removal of the label 10 from the form 1 by the end user while ensuring sufficient bond to prevent premature release during processing or printing.

Figures 9 and 10 show an alternate embodiment of the present invention, a form 1 with integrated fold-over card intermediate, shown generally as 16 in Figure 10. In this embodiment, the invention comprises a form layer 2 having top 3 and bottom 4 surfaces. The form layer 2 contains at least one die cut 5 through the form layer 2 defining at least one portion 6 of the form layer 2 within the die cut 5. Figure 10 shows the bottom surface 9 of one half 8a of the patch layer 8 secured by a repositionable, peelable adhesive layer 7 to the top surface 3 of the form layer 2 over the entire die cut 5 and the entire form layer portion 6 of the form layer 2. The second half 8b of the patch layer 8 is a mirror image of the first half 8a of the patch layer 8. The bottom 9 surface of the second half 8b of the patch layer 8 is also secured to the top surface 3 of the form layer 2 by the adhesive layer 7, however, the second half 8b of the patch layer 8 is not positioned over the die cut 5 or the form layer portion 6.

So arranged, the patch layer **8**, adhesive layer **7** and the form portion **6** comprise the fold-over card intermediate **16**. As in the previous embodiments, the adhesive layer **7** has a greater affinity for the bottom **9** surface of the patch layer **8** than the top **3** surface of the form layer **2**. Thus, when the fold-over card intermediate **16** is removed from the form layer **2** by peeling back an edge of the patch layer **8**, the portion of the adhesive layer **7** that is not between the patch layer **8** and the form portion **6** is exposed and stays adhered to the bottom **9** surface of the patch layer **8**.

1163148 -11 of 24-

25

5

Once removed from the form layer 2, the fold-over card intermediate 16 can be folded in half thus securing the two halves 8a, 8b of the patch layer 8 together by the adhesive layer 7 and enclosing the form layer portion 6 between the two folded halves 8a, 8b of the patch layer 8 as shown in Figure 11. Although the adhesive layer 7 is repositionable and peelable from certain substrates like the form layer 2, when adhered to itself as in the completed card, generally shown in Figure 11 as 18, the adhesive layer 7 forms a substantially permanent bond between the halves 8a, 8b of the patch layer 8.

This substantially permanent bond also yields a tamper evident feature to the fold-over card invention. If the halves **8a** and **8b** of the patch layer **8** are forced apart once adhered to each other, some of the adhesive layer **7** will pull away from the side of the patch layer **8** it was originally on. This results in a mottled look to the adhesive layer **7** due to the offsetting of some of the adhesive which is visible through the patch layer **8** when the halves **8a** and **8b** are reunited. This mottled look is easily distinguishable from the substantially clear look of the initial adhesive to adhesive bond and a tell-tale sign of attempted tampering with information contained in the fold-over card **16**.

The embodiment of the invention having a fold-over card intermediate **16** containing a single card portion **6** carries the benefit of allowing both sides of the card portion **6** to be viewed through the patch layer **8** when the fold-over card intermediate **16** is folded in half into the finished card **18**. In other words, a printed indicia on both sides of the card portion **6** can be viewed through the halves of the translucent patch layer **8**.

This has an added benefit when the fold-over card intermediate **16** is used as an identification card or requires a signature by the end user. In such a use, the end

1163148 -12 of 24-

25

5

user who receives the form containing the fold-over card intermediate **16** can sign the back **4** of the form in the form portion **6** and then remove the fold-over card intermediate **16** and fold it in half, this prevents tampering with the user's signature which is now fully enclosed by the patch layer **8**.

In some instances, however, it may be beneficial to have the additional thickness and strength of a card intermediate having two form layer portions. Such an embodiment is shown in Figures 5 through 8. In this embodiment, at least one second die cut 5a is made in the form layer 2 defining at least one second portion 6a of the form layer 2. The second die cut 5a and second form layer portion 6a are disposed beneath the second half 8b of the patch layer such that the second form layer portion 6a is removably secured to the bottom 4 surface of the second half 8b of the patch layer 8 by the adhesive layer 7 and becomes part of the fold-over card intermediate 16. Thus, upon removal of the intermediate 16 from the form layer 2, the second form layer portion 6a is enclosed with the first form portion 6 when the intermediate 16 is folded in half. As can be seen in Fig. 8, when folded in half, only the top surfaces 3 of the first and second form layer portions 6 and 6a, respectively, are visible through the patch layers 8 because the bottom 4 surfaces of the form layer portions 6 and 6a are laminated together and obscured from sight.

As will be understood by those in the industry, it is beneficial that the present invention provides for the viewing of the top surfaces 3 of the form layer portion 6 and 6a (if used) through the patch layer 8 of the card intermediate 16. Usually, business forms have a larger number and quantity of printed colors on the front of the forms than the back. Since most printing presses have a limited capability for printing different colors, it can be difficult to obtain the necessary colors on the backside of the form. For example, when processing a form though a press that prints six colors, the

1163148 -13 of 24-

25

5

form may require five colors on the front which leaves only one for the backside. This is a significant limitation of prior articles which form the exposed areas of the card from the back of the business form.

Also, in either the single or multiple form layer portion embodiments, the patch layer can contain a line of perforations 15 separating the halves, 8a and 8b, of the patch layer 8. When the card intermediate 16 is removed from the form 1, the intermediate 16 can be folded in half along the line of perforations 15. And like the label embodiment previously described, for clarity, only one die cut 5 and one form layer portion 6 have been shown under each half of the patch layer 8 in the drawings. It should be understood, however, that a single card intermediate 16 may be comprised of more than one form layer portion 6 under each half of the patch layer 8.

A final embodiment of the fold-over card article is shown in Figure 12 and has at least one area 19 of exposed adhesive 7 incorporated into the card intermediate 16 for viewing an article placed into the intermediate 16. A preferred method of creating this area 19 is a die cut 20 in the card portions 6 or 6a which creates a waste section 17 within the card portions 6 or 6a or along at least one edge of the card portions 6 or 6a. This waste section 17 can be peeled from the card intermediate 16 which leaves the adhesive layer 7 on the bottom surface of the patch layer 8 because of the affinity characteristics of the adhesive. Although the waste portion 17 is separated from the rest of the form layer 2 and the card layer portions 6 and 6a, by the die cut 20, it is sufficiently secured to the card intermediate 16 by the adhesive layer 7 for transport though the assembly and printing processes.

Alternatively, when the waste section 17 is along at least one edge of the form layer portion 6, the area 19 can be defined by shaping the same die cut 5 that defined the form layer portion 6. In this way, waste section 17 can be made to be part of the

1163148 -14 of 24-

5

form layer 2 and remain behind when the card intermediate 16 is removed from the form 1.

However defined, the area 19 of exposed adhesive 7 is created by removing the waste section 17 and exposing the adhesive layer 7 thereunder. An article – a picture, magnetic key, microchip, momento, etc. – can then be placed into or over the area 19. Thereafter, the card intermediate 16 is folded in half enclosing the article in the finished card 18. The area 19 can be in one or both of the card layer portions 6 or 6a and can be located within one of the card layer portions 6 or 6a or along one or more edges of the card layer portions as shown in Figure 12. Also, the area 19 need not be larger than the article and the article need not be placed into the area, but the area must be large enough to view the relevant portion of the article through the patch layer 8. For example, if a picture is used as the article, it could be larger than the area 19 and simply placed over the area 19 such that the relevant portion of the picture is viewable through the area 19 while the rest of the picture is obscured by the form layer portion 6.

All the embodiments disclosed herein are created using the same basic method. First, printing, if necessary, is placed on the top surface 3 of the form layer 2. Then, a roll of patch layer material having the adhesive layer 7 already disposed on the bottom side 9 thereof, is unwound. The patch layer material in the roll is already cut to the appropriate width for use. Also, when used to construct the form with integrated card intermediate embodiment, the patch material roll may have been preperforated along the line 15. As an alternative to the roll of patch layer material, the patch layer material and the patch layers 8 could be prepared as pre-cut labels, as is known in the art. In any event, the patch layer material is cut into individual patch

1163148 -15 of 24-

layers **8** by known methods. The patch layers **8** are applied to the top surfaces of the form layer **2** by the adhesive **7** also using known methods.

Depending on the embodiment sought and the predetermined size and arrangement of the patch layer 8 with respect to the form layer 2, the necessary die cuts 5, 5a and 20, are made in the form layer 2 from the back side 4 of the form layer 2. The die cut 11, for the bullet label 12, if used, can also be made at this time through the top surface 13 of the patch layer 8. Printing can also be placed on the top surface 13 of the patch layer 8, by the manufacturer of the form 1 or by the end user.

As can be seen, die cuts in the patch layer **8** are not required to form the integrated label **10** or the card intermediate **16**. This greatly enhances the speed and ease of manufacturing the invention.

In view of the above, it will be seen that the several objects of the invention are achieved and other advantages are attained. As various changes could be made in the above construction without departing from the scope of the invention, it is intended that all matter contained in the above description shall be interpreted as illustrated and not limiting.

1163148 -16 of 24-

CLAIMS

I claim:

1. A form with integrated label comprising:

a form layer having top and bottom surfaces and a periphery;

at least one die cut through the top and bottom surfaces within the periphery of the form layer, defining at least one portion of the form layer within the die cut;

a patch layer, having a periphery and top and bottom surfaces;

a layer of repositionable, peelable adhesive wherein the bottom surface of the patch layer is adhesively but removably secured to the top surface of the form layer over the entire die cut and the entire form layer portion;

the patch layer, adhesive layer and form layer portion comprising an integrated label; and

wherein the adhesive layer has a greater affinity for the bottom surface of the patch layer than the top surface of the form layer such that when the label is removed from the form, the portion of the adhesive layer that is not between the patch layer and the form layer portion is exposed and stays adhered to the bottom surface of the patch layer.

- 2. The form with integrated label of Claim 1 wherein at least the top surface of the patch layer and the top and bottom surfaces of the form layer are capable of accepting printed indicia thereon.
- 3. The form with integrated label of Claim 1 wherein the patch layer is composed of a substantially translucent material.
- 4. The form with integrated label of Claim 1 wherein the patch layer is composed of substantially translucent paper glassine.

10

20

5

- 5. The form with integrated label of Claim 1 wherein the patch layer is composed of a substantially translucent polyester film.
- of an opaque material and is sized and offset in relation to the die cut in the form layer such that the distance between an edge of the patch layer and a corresponding edge of the form layer portion is greater than that between the other corresponding edges, such that when the label is removed, the adhesive layer exposed on the bottom side of the patch layer is wider along one edge of the patch layer than along the other edges.
- 7. The form with integrated label of Claim 1 wherein the patch layer is sized and offset in relation to the die cut in the form layer such that the distance between an edge of the patch layer and a corresponding edge of the form layer portion is less than that between the other corresponding edges, to allow for easier removal of the label from the form.
- 8. The form with integrated label of Claim 1 wherein the integrated label contains a second label therein, comprising portions of the patch and adhesive layers within a second die cut extending through the patch layer and to but not through the form layer portion, the second label being removable from the integrated label and capable of being secured to a substrate by the portion of the adhesive layer.
- 9. The form with integrated label of Claim 1 wherein the form layer contains multiple die cuts therein defining multiple portions of the form layer within the die cuts and wherein the patch layer is adhesively but removably secured to the top surface of the form layer over the all of the die cuts and all of the form layer portions by a layer of repositionable, peelable adhesive.

-18 of 24-

5

- 10. The form with integrated label of Claim 1 wherein at least the top surface of the form layer portion has printed indicia thereon.
- 11. A form with integrated label consisting essentially of:

a form layer having top and bottom surfaces and a periphery;

at least one die cut through the top and bottom surfaces within the periphery of the form layer, defining at least one portion of the form layer within the die cut;

a patch layer, having a periphery and top and bottom surfaces;

a layer of repositionable, peelable adhesive wherein the bottom surface of the patch layer is adhesively but removably secured to the top surface of the form layer over the entire die cut and the entire form layer portion;

the patch layer, adhesive layer and form layer portion comprising an integrated label; and

wherein the adhesive layer has a greater affinity for the bottom surface of the patch layer than the top surface of the form layer such that when the label is removed from the form, the portion of the adhesive layer that is not between the patch layer and the form layer portion is exposed and stays adhered to the bottom surface of the patch layer.

12. A form with integrated fold-over card intermediate comprising:

a form layer having top and bottom surfaces and a periphery;

at least one die cut through the top and bottom surfaces of the form layer within the periphery of the form layer defining at least one portion of the form layer within the die cut:

a patch layer, having first and second halves, a periphery and top and bottom surfaces;

-19 of 24-

5

a layer of repositionable, peelable adhesive wherein the bottom surface of the first half of the patch layer is adhesively but removably secured to the top surface of the form layer over the entire die cut and the entire form layer portion;

the second half of the patch layer being a mirror image of the first half of the patch layer and the bottom surface of the second half of the patch layer being secured to the top surface of the form layer by the adhesive layer over neither the die cut nor the form layer portion;

the patch layer, adhesive layer and form layer portion comprising the fold-over card intermediate;

wherein the adhesive layer has a greater affinity for the bottom surface of the patch layer than the top surface of the form layer such that when the fold-over card intermediate is removed from the form layer, the portion of the adhesive layer that is not between the patch layer and the form layer portion is exposed and stays adhered to the bottom surface of the patch layer;

wherein once removed from the form layer, the fold-over card intermediate can be folded in half, thus securing the first half and second half of the patch layer together by the adhesive layer and enclosing the form layer portion between the folded halves of the patch layer.

13. The form with integrated fold-over card intermediate of Claim 12 further comprising at least one second die cut in the form layer defining at least one second portion of the form layer, the second die cut and second form layer portion disposed beneath the second half of the patch layer, such that the second form layer portion is secured to the bottom surface of the second half of the patch layer by the adhesive layer and becomes part of the fold-over card intermediate and, upon removal of the

-20 of 24-

5

intermediate from the form layer, the second form layer portion is enclosed along with the first form layer portion when the card intermediate is folded in half.

- 14. The form with integrated fold-over card intermediate of Claim 12 or 13 wherein the patch layer contains a line of perforations between the halves of the patch layer along which the card intermediate is folded after removal from the form layer.
- 15. The form with integrated fold-over card intermediate of Claim 12 or 13 wherein at least the top and bottom surfaces of the form layer and the top surface of the patch layer are capable of accepting printed indicia thereon.
- 16. The form with integrated fold-over card intermediate of Claim 12 or 13 wherein the patch layer is composed of an at least substantially translucent material.
- 17. The form with integrated fold-over card intermediate of Claim 12 or 13 wherein the patch is composed of a substantially translucent paper glassine material.
- 18. The form with integrated fold-over card intermediate of Claim 12 or 13 wherein the patch layer is composed of a substantially translucent polyester film material.
- 19. The form with integrated fold-over card intermediate of Claim 12 or 13 further comprising:

an area of exposed adhesive attached to the patch layer within the card intermediate defined by a die cut within at least one of the form layer portions, the die cut defining a section of the form layer removable from the card intermediate;

wherein the section of form layer is removable by peeling the section from the adhesive layer thereby creating the exposed area of the adhesive layer; and

wherein the die cut is of a predetermined size and shape sufficient to make the area of exposed adhesive of sufficient size and shape that an article placed in or over the area can be viewed through the area and the patch layer.

-21 of 24-

25

- 20. The form with integrated fold-over card intermediate of Claim 19 wherein the die cut defining the area of exposed adhesive is the same die cut that defines the form layer portion.
- The form with integrated fold-over card intermediate of Claim 12 wherein at
 least the top and bottom surfaces of the form layer portion have printed indicia thereon.
 - 22. The form with integrated fold-over card intermediate of Claim 13 wherein the top surface of the form layer portions have printed indicia thereon.
 - 23. The form with integrated fold-over card intermediate of Claim 11 or 12 wherein the form layer contains multiple die cuts therein defining multiple portions of the form layer beneath the halves of the patch layer.
 - 24. A form with integrated fold-over card intermediate consisting essentially of: a form layer having top and bottom surfaces and a periphery;

at least one die cut through the top and bottom surfaces of the form layer within the periphery of the form layer defining at least one portion of the form layer within the die cut;

a patch layer, having first and second halves, a periphery and top and bottom surfaces;

a layer of repositionable, peelable adhesive wherein the bottom surface of the first half of the patch layer is adhesively but removably secured to the top surface of the form layer over the entire die cut and the entire form layer portion;

the second half of the patch layer being a mirror image of the first half of the patch layer and the bottom surface of the second half of the patch layer being secured to the top surface of the form layer by the adhesive layer over neither the die cut nor the form layer portion;

1163148

the patch layer, adhesive layer and form layer portion comprising the fold-over card intermediate;

wherein the adhesive layer has a greater affinity for the bottom surface of the patch layer than the top surface of the form layer such that when the fold-over card intermediate is removed from the form layer, the portion of the adhesive layer that is not between the patch layer and the form layer portion is exposed and stays adhered to the bottom surface of the patch layer;

wherein once removed from the form layer, the fold-over card intermediate can be folded in half, thus securing the first half and second half of the patch layer together by the adhesive layer and enclosing the form layer portion between the folded halves of the patch layer.

-23 of 24-

10 See that the said of the sa

.E

20

5

ABSTRACT OF THE DISCLOSURE

The present invention is a business form with an integrated label and/or foldover card intermediate. The form comprises a form layer having top and bottom surfaces and a periphery, at least one die cut through the top and bottom surfaces within the periphery of the form layer defining at least one portion of the form layer within the die cut, and an adhesively but removably secured patch layer. The patch layer has a periphery and top and bottom surfaces with the bottom surface of the patch layer adhesively but removably secured to the top surface of the form layer. In the form with label embodiment, the patch layer is secured over the entire die cut and the entire form layer portion by a layer of repositionable, peelable adhesive, wherein the patch layer, adhesive layer and form layer portion comprise an integrated, preprinted and imageable label. In the form with card intermediate embodiment, half of the patch label is secured over the die cut and form layer portion by the adhesive layer such that the patch layer, adhesive layer and form layer portion comprise the fold-over card intermediate. In both embodiments, the adhesive layer remains on the bottom surface of the patch when the label or card intermediate is removed from the form. Upon removal from the form, the label can be attached to a substrate by the adhesive layer and the card intermediate can be folded in half to enclose the form layer portion therein. By avoiding the use of any release materials, liners, layers and coatings, the remaining form layer is completely recyclable. And by using substantially translucent material for the patch layer, the printed indicia on the form layer portions is viewable through the label and folded-over card.

1163148 -24 of 24-

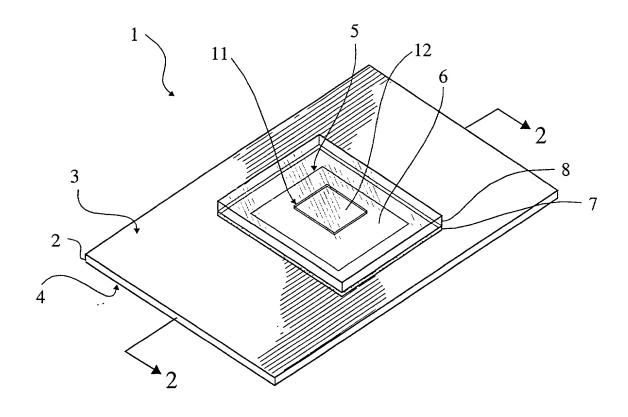
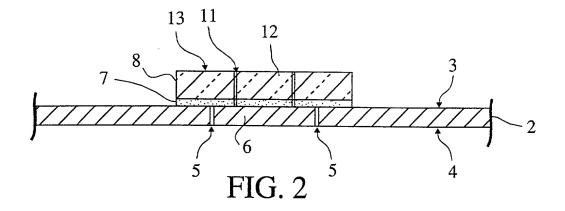
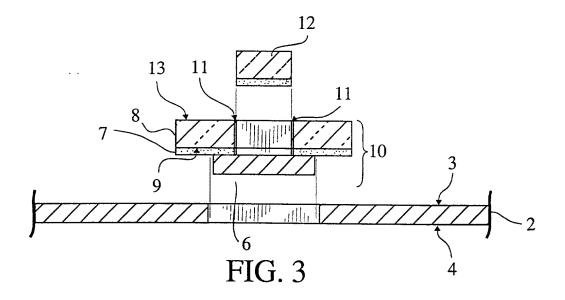


FIG. 1





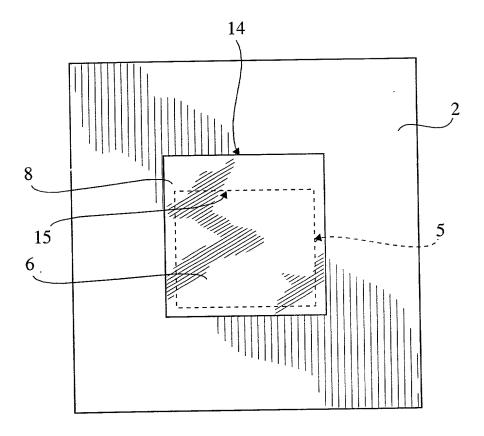
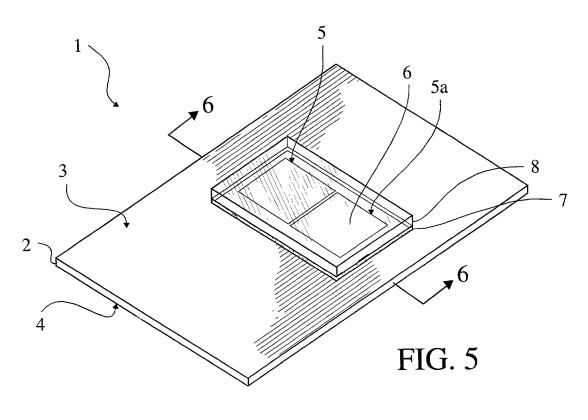
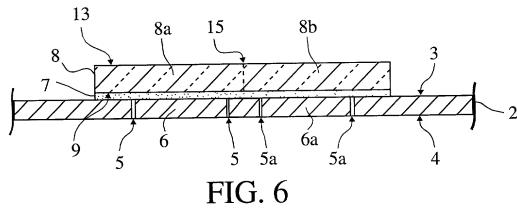
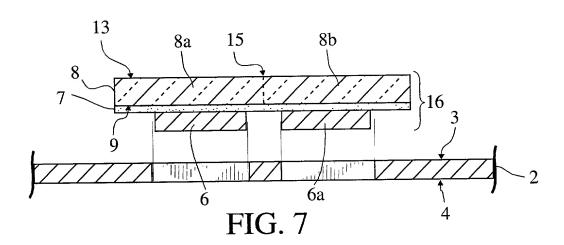
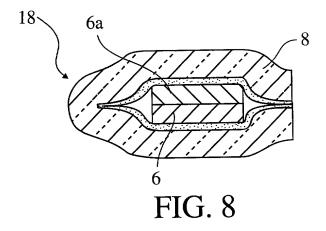


FIG. 4









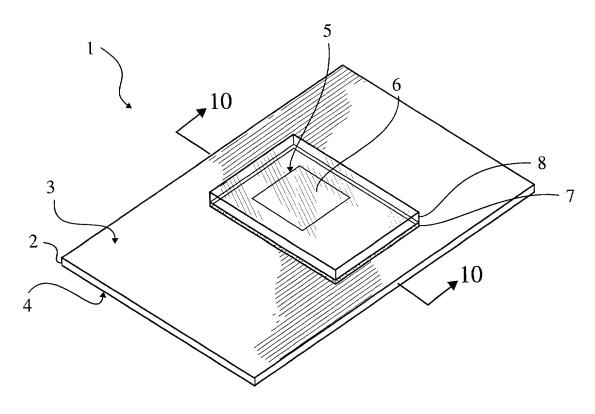
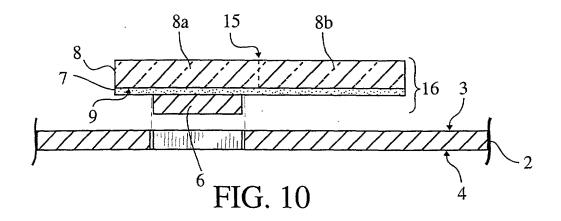
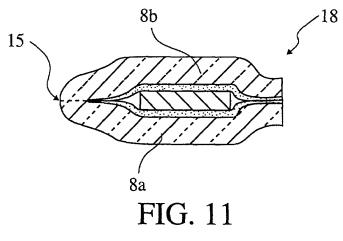
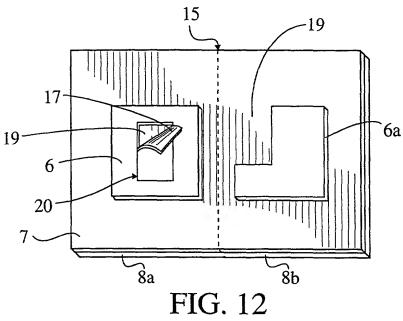


FIG. 9







Docket No. 38916/14140

Declaration and Power of Attorney For Patent Application

English Language Declaration

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

FORM WITH INTEGRATED LABEL OR FOLD-OVER CARD INTERMEDIATE

(check one)			
is attached hereto ★ is attached heret) .		
was filed on ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■		as United States Application No.	or PCT International
Application Numb			
and was amende	d on		
		(if applicable)	
I hereby state that I I including the claims,	have reviewed and und as amended by any am	erstand the contents of the above id nendment referred to above.	dentified specificatior
I acknowledge the d	uty to disclose to the U	Inited States Patent and Trademark	Office all informatio
known to me to be Section 1.56.	material to patentabili	ty as defined in Title 37, Code of	Federal Regulation:
Section 1.56. I hereby claim forei Section 365(b) of ar any PCT International listed below and have	ign priority benefits unonly foreign application(s) all application which desire also identified below, or PCT International applicational applications application applic	ty as defined in Title 37, Code of der Title 35, United States Code,) for patent or inventor's certificate, signated at least one country other to by checking the box, any foreign application having a filing date before	Section 119(a)-(d) of the control of
Section 1.56. I hereby claim forei Section 365(b) of ar any PCT International listed below and havinventor's certificate	ign priority benefits unonly foreign application(s) all application which design also identified below, or PCT International applicationed.	ty as defined in Title 37, Code of der Title 35, United States Code,) for patent or inventor's certificate, signated at least one country other the by checking the box, any foreign as	Section 119(a)-(d) of the control of
Section 1.56. I hereby claim forei Section 365(b) of ar any PCT Internationalisted below and havinventor's certificate on which priority is c	ign priority benefits unonly foreign application(s) all application which design also identified below, or PCT International applicationed.	ty as defined in Title 37, Code of der Title 35, United States Code,) for patent or inventor's certificate, signated at least one country other the by checking the box, any foreign as	Section 119(a)-(d) of the control of
Section 1.56. I hereby claim forei Section 365(b) of ar any PCT Internationalisted below and havinventor's certificate on which priority is c	ign priority benefits unonly foreign application(s) all application which design also identified below, or PCT International applicationed.	ty as defined in Title 37, Code of der Title 35, United States Code,) for patent or inventor's certificate, signated at least one country other the by checking the box, any foreign as	Section 119(a)-(d) of the control of the section 365(a) of the section and the United State of the section for patent of the application for patent of the section of the s

	I hereby claim the benefit under application(s) listed below:	35 U.S.C. Section 119(e) o	of any United States provisional
	(Application Serial No.)	(Filing Date)	
	(Application Serial No.)	(Filing Date)	
	(Application Serial No.)	(Filing Date)	
Acres worth them. Acres Mr. Acres Maril Breath	I hereby claim the benefit under 3 Section 365(c) of any PCT Internations insofar as the subject matter of early United States or PCT International U.S.C. Section 112, I acknowledge Office all information known to me Section 1.56 which became available or PCT International filing date of the	ional application designating the chart of the claims of this application in the manner progethe the duty to disclose to the Ure to be material to patentabilities between the filing date of the contractions.	ne United States, listed below and, cation is not disclosed in the prior ovided by the first paragraph of 35 nited States Patent and Trademark y as defined in Title 37, C. F. R.,
the lines of	(Application Serial No.)	(Filing Date)	(Status) (patented, pending, abandoned)
the first and that and fast	(Application Serial No.)	(Filing Date)	(Status) (patented, pending, abandoned)
	(Application Serial No.)	(Filing Date)	(Status) (patented, pending, abandoned)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (list name and registration number)

Thompson Coburn LLP Customer Number 021888 Michael T. Marrah, Reg. No. 40,718 Gregory E. Upchurch, Reg. No. 28,482 One Mercantile Center St. Louis, MO 63101

Send Correspondence to:

Michael T. Marrah, Reg. No. 40,718 c/o Glenda Jones

Thompson Coburn LLP

One Mercantile Center, St. Louis, MO 63101

Direct Telephone Calls to: (name and telephone number)

Michael T. Marrah (314) 552-6175

Full name of sole or first inventor Charles L. Casagrande	
Sole or first inventor's signature Chaly 2 Consequence	May 25, 1999
Residence United Kingdom	
CRizenship United States	
Post Office Address Precision Coated Products, Ltd., Gillingham Business Park, Unit 4, Saracen Close	
Gillingham, Kent ME8 0QN United Kingdom	

econd inventor's signature	Date
receile attention a agriculta	
Residence	Angel College
itizenship	The state of the s
Post Office Address	THE STATE OF THE S